

[Go to Product page](#)

Datasheet for ABIN1692149 PEA15 Protein (AA 1-130)

Overview

Quantity:	50 µg
Target:	PEA15
Protein Characteristics:	AA 1-130
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human Astrocytic Phosphoprotein PEA-15/PEA15
Sequence:	GSHMAEYGTL LQDLTNNITL EDLEQLKSAC KEDIPSEKSE EITTGSAWFS FLESHNKLDK DNLSYIEHIF EISRRPDLLT MVVDYRTRVL KISEEDELDT KLTRIPSAKK YKDIIRQPSE EEIKLAPPP KKA
Characteristics:	Recombinant Human Astrocytic Phosphoprotein PEA-15/PEA15 is produced with our E. coli expression system. The target protein is expressed with sequence (Met1-Ala130) of Human PEA15.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	PEA15
---------	-------

Target Details

Alternative Name:	PEA15 (PEA15 Products)
Background:	<p>Astrocyticphosphoprotein PEA-15 (PEA15) is a death effector domain (DED)-containing protein. PEA15 is mainly expressed in the central nervous system, principally in astrocytes. Increased PEA15 levels affect tumorigenesis and cancer progression. PEA15 is overexpressed in breast cancers and gliomas as well as in type 2 diabetes. PEA15 blocks Ras-mediated inhibition of integrin activation and modulates the ERK MAP kinase cascade. PEA15 also inhibits RPS6KA3 activities by holding it in the cytoplasm. In addition, PEA15 inhibits both TNFRSF6 and TNFRSF1A mediated CASP8 activity and apoptosis. At present, PEA15 expression is also a significant prognostic marker in ovarian cancer.</p> <p>Alternative Names: Astrocytic Phosphoprotein PEA-15, 15 kDa Phosphoprotein Enriched in Astrocytes, Phosphoprotein Enriched in Diabetes, PED, PEA15</p>
Molecular Weight:	15.3 kDa
UniProt:	Q15121

Application Details

Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH2O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Expiry Date:	3 months